Artificial Intelligence 60 (1993) 365–377
Elsevier

Master Index—Volumes 51–60

Addanki, S., R. Cremonini and J.S. Penberthy
Graphs of models **51** (1991) 145–177
Agre, P.E.
Interview with Allen Newell **59** (1993) 415–449
Aikins, J.S.
Prototypical knowledge for expert systems: a retrospective analysis **59** (1993) 207–211
Aikins, J.S., see Stefik, M.J. **59** (1993) 221–224
Althöfer, I.
Data compression using an intelligent generator: the storage of chess games as an example (Research Note) **52** (1991) 109–113
Althöfer, I. and B. Balkenhol
A game tree with distinct leaf values which is easy for the alpha-beta algorithm (Research Note) **52** (1991) 183–190
Arbib, M.A.
Book Review of *The Cognitive Structure of Emotions* (Andrew Ortony, Gerald L. Clore and Allan Collins) **54** (1992) 229–240
Arbib, M.A.
Book Review of *Unified Theories of Cognition* (Allen Newell) **59** (1993) 265–283
Bacchus, F., J. Tenenberg and J.A. Koomen
A non-reified temporal logic (Research Note) **52** (1991) 87–108
Balkenhol, B., see Althöfer, I. **52** (1991) 183–190
Balzer, R., see Stefik, M.J. **59** (1993) 221–224
Barrow, H.G. and J.M. Tenenbaum
Retrospective on "Interpreting line drawings as three-dimensional surfaces" **59** (1993) 71– 80
Battle, D.L. and M.D. Vose
Isomorphisms of genetic algorithms (Research Note) **60** (1993) 155–165
Beierle, C., U. Hedtstück, U. Pletat, P.H. Schmitt and J. Siekmann
An order-sorted logic for knowledge representa-

Elsevier Science Publishers B.V.

tion systems	**55** (1992)	149–191
Benoit, J., see Stefik, M.J.	**59** (1993)	221–224
Birnbaum, L., see Stefik, M.J.	**59** (1993)	221–224
Bobrow, D.G. Dedication	**59** (1993)	1– 3
Bobrow, D.G. Artificial intelligence in perspective: a retrospective on fifty volumes of the *Artificial Intelligence Journal*	**59** (1993)	5– 20
Bobrow, D.G. Editorial introduction	**60** (1993)	197
Bray, A.J., L.J. Cahill and J.P. Rae Book Review of *Foundations of Cognitive Science* (Michael I. Posner, ed.)	**52** (1991)	319–328
Bruynooghe, M., see De Raedt, L.	**53** (1992)	291–307
Buchanan, B.G., see Davis, R.	**59** (1993)	181–189
Buchanan, B.G., see Feigenbaum, E.A.	**59** (1993)	233–240
Cadoli, M., T. Eiter and G. Gottlob An efficient method for eliminating varying predicates from a circumscription (Research Note)	**54** (1992)	397–410
Cahill, L.J., see Bray, A.J.	**52** (1991)	319–328
Chiu, C., see Kuipers, B.J.	**51** (1991)	343–379
Clancey, W.J. Notes on "Heuristic classification"	**59** (1993)	191–196
Clancey, W.J. Model construction operators	**53** (1992)	1–115
Clancey, W.J. Notes on "Epistemology of a rule-based expert system"	**59** (1993)	197–204
Clancey, W.J. The biology of conciousness: comparative review of *The Strange, Familiar, and Forgotten: An Anatomy of Consciousness* (Israel Rosenfield) and *Bright Air, Brilliant Fire: On the Matter of Mind* (Gerald M. Edelman)	**60** (1993)	313–356
Coiera, E.W. Qualitative superposition	**56** (1992)	171–196
Connell, J., see Mahadevan, S.	**55** (1992)	311–365
Cooper, P.R. and M.J. Swain Arc consistency: parallelism and domain dependence	**58** (1992)	207–235
Cremonini, R., see Addanki, S.	**51** (1991)	145–177

Culberson, J., see Schaeffer, J. **53** (1992) 273–289
Currie, K. and A. Tate
O-Plan: the open planning architecture **52** (1991) 49– 86
Dagum, P. and M. Luby
Approximating probabilistic inference in Bayesian belief networks is NP-hard (Research Note) **60** (1993) 141–153
Dalle Molle, D.T., see Kuipers, B.J. **51** (1991) 343–379
Daniels, C.J., see Mahanti, A. **60** (1993) 243–282
Daun, B., see Zweben, M. **58** (1992) 271–296
Davis, E., see Zweben, M. **58** (1992) 271–296
Davis, R.
Retrospective on "Diagnostic reasoning based on structure and behavior" **59** (1993) 149–157
Davis, R., B.G. Buchanan and E.H. Shortliffe
Retrospective on "Production rules as a representation for a knowledge-based consultation program" **59** (1993) 181–189
Deale, M., see Zweben, M. **58** (1992) 271–296
Dechter, R.
From local to global consistency **55** (1992) 87–107
Dechter, R. and J. Pearl
Structure identification in relational data **58** (1992) 237–270
DeCoste, D.
Dynamic across-time measurement interpretation **51** (1991) 273–341
De Kleer, J.
A perspective on assumption-based truth maintenance **59** (1993) 63– 67
De Kleer, J.
A view on qualitative physics **59** (1993) 105–114
De Kleer, J., A.K. Mackworth and R. Reiter
Characterizing diagnoses and systems **56** (1992) 197–222
De Kleer, J., see Williams, B.C. **51** (1991) 1– 9
Dennett, D.C.
Book Review of *Unified Theories of Cognition* (Allen Newell) **59** (1993) 285–294
De Raedt, L. and M. Bruynooghe
Belief updating from integrity constraints and queries (Research Note) **53** (1992) 291–307
Deville, Y., see Van Hentenryck, P. **57** (1992) 291–321
Dincbas, M., see Van Hentenryck, P. **58** (1992) 113–159
Donini, F.M., M. Lenzerini, D. Nardi, B. Hollun-

der, W. Nutt and A.M. Spaccamela
The complexity of existential quantification in concept languages (Reseach Note) **53** (1992) 309–327
Dordan, O.
Mathematical problems arising in qualitative simulation of a differential equation **55** (1992) 61– 86
Drascher, E., see Zweben, M. **58** (1992) 271–296
Eiter, T. and G. Gottlob
On the complexity of propositional knowledge base revision, updates, and counterfactuals **57** (1992) 227–270
Eiter, T., see Cadoli, M. **54** (1992) 397–410
Eskey, M., see Zweben, M. **58** (1992) 271–296
Etherington, D.W., S. Kraus and D. Perlis
Nonmonotonicity and the scope of reasoning **52** (1991) 221–261
Etzioni, O.
A structural theory of explanation-based learning **60** (1993) 93–139
Fagin, R., see Halpern, J.Y. **54** (1992) 275–317
Falkenhainer, B. and K.D. Forbus
Compositional modeling: finding the right model for the job **51** (1991) 95–143
Faltings, B.
A symbolic approach to qualitative kinematics **56** (1992) 139–170
Faltings, B., see Forbus, K.D. **51** (1991) 417–471
Fehling, M.R.
Unified theories of cognition: modeling cognitive competence (Book Review) **59** (1993) 295–328
Feigenbaum, E.A. and B.G. Buchanan
DENDRAL and Meta-DENDRAL: roots of knowledge systems and expert system applications **59** (1993) 233–240
Ferguson, C., see Powley, C. **60** (1993) 199–242
Fikes, R.E. and N.J. Nilsson
STRIPS, a retrospective **59** (1993) 227–232
Forbus, K.D.
Qualitative process theory: twelve years after **59** (1993) 115–123
Forbus, K.D., P. Nielsen and B. Faltings
Qualitative spatial reasoning: the CLOCK project **51** (1991) 417–471
Forbus, K.D., see Falkenhainer, B. **51** (1991) 95–143
Foulser, D.E., M. Li and Q. Yang
Theory and algorithms for plan merging **57** (1992) 143–181
Freksa, C.
Temporal reasoning based on semi-intervals **54** (1992) 199–227

Freuder, E.C. and A.K. Mackworth
Introduction to the Special Volume on Constraint-Based Reasoning **58** (1992) 1– 2
Freuder, E.C. and R.J. Wallace
Partial constraint satisfaction **58** (1992) 21– 70
Freuder, E.C., see Mackworth, A.K. **59** (1993) 57– 62
Freund, M., D. Lehmann and P. Morris
Rationality, Transitivity, and Contraposition (Research Note) **52** (1991) 191–203
Geffner, H. and J. Pearl
Conditional entailment: bridging two approaches to default reasoning **53** (1992) 209–244
Genesereth, M.R.
From Dart to Designworld: a chronicle of research on automated engineering in the Stanford Logic Group **59** (1993) 159–165
Ginsberg, M.L. and W.D. Harvey
Iterative broadening **55** (1992) 367–383
Giunchiglia, F. and T. Walsh
A theory of abstraction **57** (1992) 323–389
Givan, R., see McAllester, D.A. **56** (1992) 1– 20
Goddard, N.
Book Review of *Proceedings of the 1988 Connectionist Models Summer School* (David Touretzky, Geoffrey Hinton and Terrence Sejnowski, eds.) **53** (1992) 345–353
Goldszmidt, M. and J. Pearl
On the consistency of defeasible databases **52** (1991) 121–149
Gordon, J. and E.H. Shortliffe
A method of managing evidential reasoning in a hierarchical hypothesis space: a retrospective **59** (1993) 43– 47
Gottlob, G., see Cadoli, M. **54** (1992) 397–410
Gottlob, G., see Eiter, T. **57** (1992) 227–270
Gupta, N. and D.S. Nau
On the complexity of blocks-world planning **56** (1992) 223–254
Halpern, J.Y. and R. Fagin
Two views of belief: belief as generalized probability and belief as evidence **54** (1992) 275–317
Halpern, J.Y. and Y. Moses
A guide to completeness and complexity for modal logics of knowledge and belief **54** (1992) 319–379
Hamscher, W.C.
Modeling digital circuits for troubleshooting **51** (1991) 223–271

Hansson, O., A. Mayer and M. Valtorta
A new result on the complexity of heuristic estimates for the A^* algorithm (Research Note) **55** (1992) 129–143
Harvey, W.D., see Ginsberg, M.L. **55** (1992) 367–383
Hayes-Roth, B.
Intelligent control **59** (1993) 213–220
Hayes-Roth, B.
On building integrated cognitive agents: a review of Allen Newell's *Unified Theories of Cognition* **59** (1993) 329–341
Hayes-Roth, F., see Stefik, M.J. **59** (1993) 221–224
Hedtstück, U., see Beierle, C. **55** (1992) 149–191
Hendler, J.A., see Kambhampati, S. **55** (1992) 193–258
Hollunder, B., see Donini, F.M. **53** (1992) 309–327
Horn, B.K.P. and B.G. Schunck
"Determining optical flow": a retrospective **59** (1993) 81– 87
Hyvönen, E.
Constraint reasoning based on interval arithmetic: the tolerance propagation approach **58** (1992) 71–112
Ikeuchi, K.
Comment on "Numerical shape from shading and occluding boundaries" **59** (1993) 89– 94
Inoue, K.
Linear resolution for consequence finding **56** (1992) 301–353
Iwasaki, Y. and H.A. Simon
Retrospective on "Causality in device behavior" **59** (1993) 141–146
Jackson Jr, P.C.
Proving unsatisfiability for problems with constant cubic sparsity (Research Note) **57** (1992) 125–137
Jaeger, M.
Circumscription: completeness reviewed (Research Note) **60** (1993) 293–301
Johnston, M.D., see Minton, S. **58** (1992) 161–205
Jona, M.Y., see Schank, R.C. **59** (1993) 375–388
Joskowicz, L. and E.P. Sacks
Computational kinematics **51** (1991) 381–416
Jurik, M.
Book Review of *Neurocomputing: Foundations of Research* (James A. Anderson and Edward Rosenfeld, eds.) **53** (1992) 355–359
Kambhampati, S. and J.A. Hendler
A validation-structure-based theory of plan modification and reuse **55** (1992) 193–258
Kanade, T.

From a real chair to a negative chair **59** (1993) 95–101
Katsuno, H. and A.O. Mendelzon
Propositional knowledge base revision and minimal change **52** (1991) 263–294
Kifer, M., see Thirunarayan, K. **60** (1993) 23– 50
Kleiter, G.D.
Bayesian diagnosis in expert systems **54** (1992) 1– 32
Knight, B., see Schaeffer, J. **53** (1992) 273–289
Konolige, K.
Abduction versus closure in causal theories (Research Note) **53** (1992) 255–272
Koomen, J.A., see Bacchus, F. **52** (1991) 87–108
Korf, R.E., see Powley, C. **60** (1993) 199–242
Kort, B.
Book Review of *Apprentices of Wonder: Inside the Neural Network Revolution* (William F. Allman **53** (1992) 343–344
Kramer, G.A.
A geometric constraint engine **58** (1992) 327–360
Kraus, S., see Etherington, D.W. **52** (1991) 221–261
Kubat, M.
Conceptual inductive learning: the case of unreliable teachers (Research Note) **52** (1991) 169–182
Kuipers, B.J.
Reasoning with qualitative models **59** (1993) 125–132
Kuipers, B.J.
Qualitative simulation: then and now **59** (1993) 133–140
Kuipers, B.J., C. Chiu, D.T. Dalle Molle and D.R. Throop
Higher-order derivative constraints in qualitative simulation **51** (1991) 343–379
Ladkin, P.B. and A. Reinefeld
Effective solution of qualitative interval constraint problems (Research Note) **57** (1992) 105–124
Laird, P., see Minton, S. **58** (1992) 161–205
Laird, J.E., see Rosenbloom, P.S. **59** (1993) 389–413
Lam, F.C. and W.K. Yeap
Bayesian updating: on the interpretation of exhaustive and mutually exclusive assumptions (Research Note) **53** (1992) 245–254
Latombe, J.-C., A. Lazanas and S. Shekhar
Robot motion planning with uncertainty in control and sensing **52** (1991) 1– 47

Lazanas, A., see Latombe, J.-C.	**52** (1991)	1– 47
Lee, H.S. and M.I. Schor		
Match algorithms for generalized Rete networks	**54** (1992)	249–274
Lehmann, D. and M. Magidor		
What does a conditional knowledge base entail?	**55** (1992)	1– 60
Lehmann, D., see Freund, M.	**52** (1991)	191–203
Lenzerini, M., see Donini, F.M.	**53** (1992)	309–327
Li, M., see Foulser, D.E.	**57** (1992)	143–181
Liau, C.J. and B.I. Lin		
Abstract minimality and circumscription (Research Note)	**54** (1992)	381–396
Lin, F. and Y. Shoham		
A logic of knowledge and justified assumptions	**57** (1992)	271–289
Lin, B.I., see Liau, C.J.	**54** (1992)	381–396
Loui, R.P., see Simari, G.R.	**53** (1992)	125–157
Lu, P., see Schaeffer, J.	**53** (1992)	273–289
Luby, M., see Dagum, P.	**60** (1993)	141–153
Mackworth, A.K.		
The logic of constraint satisfaction	**58** (1992)	3– 20
Mackworth, A.K. and E.C. Freuder		
The complexity of constraint satisfaction revisited	**59** (1993)	57– 62
Mackworth, A.K., see De Kleer, J.	**56** (1992)	197–222
Mackworth, A.K., see Freuder, E.C.	**58** (1992)	1– 2
Magidor, M., see Lehmann, D.	**55** (1992)	1– 60
Mahadevan, S. and J. Connell		
Automatic programming of behavior-based robots using reinforcement learning	**55** (1992)	311–365
Mahanti, A. and C.J. Daniels		
A SIMD approach to parallel heuristic search	**60** (1993)	243–282
Marcus, S.		
Book Review of *A Practical Guide to Knowledge Acquisition* (A. Carlisle Scott, Jan E. Clayton and Elizabeth L. Gibson)	**60** (1993)	167–170
Mayer, A., see Hansson, O.	**55** (1992)	129–143
McAllester, D.A. and R. Givan		
Natural language syntax and first-order inference	**56** (1992)	1– 20
McCarthy, J.		
History of circumscription	**59** (1993)	23– 26
McDermott, J.		
R1 ("XCON") at age 12: lessons from an elementary school achiever	**59** (1993)	241–247
Mellish, C.		

The description identification problem (Research Note) **52** (1991) 151–167
Mendelzon, A.O., see Katsuno, H. **52** (1991) 263–294
Michie, D.
Turing's Test and conscious thought **60** (1993) 1– 22
Minsky, M.
Book Review of *Unified Theories of Cognition* (Allen Newell) **59** (1993) 343–354
Minton, S., M.D. Johnston, A.B. Philips and P. Laird
Minimizing conflicts: a heuristic repair method for constraint satisfaction and scheduling problems **58** (1992) 161–205
Moore, R.C.
Autoepistemic logic revisited **59** (1993) 27– 30
Morris, P., see Freund, M. **52** (1991) 191–203
Moses, Y., see Halpern, J.Y. **54** (1992) 319–379
Nardi, D., see Donini, F.M. **53** (1992) 309–327
Nau, D.S., see Gupta, N. **56** (1992) 223–254
Neal, R.M.
Connectionist learning of belief networks **56** (1992) 71–113
Newell, A.
Reflections on the knowledge level **59** (1993) 31– 38
Nie, X. and D.A. Plaisted
A semantic backward chaining proof system **55** (1992) 109–128
Nielsen, P., see Forbus, K.D. **51** (1991) 417–471
Nilsson, N.J.
Probabilistic logic revisited **59** (1993) 39– 42
Nilsson, N.J., see Fikes, R.E. **59** (1993) 227–232
Nutt, W., see Donini, F.M. **53** (1992) 309–327
O'Rourke, J.
Triple Book Review of *Consciousness Explained* (Daniel C. Dennett), *The Evolution of Consciousness: Of Darwin, Freud, and Cranial Fire: The Origins of the Way We Think* (Robert Ornstein), and *Metaphysics of Consciousness* (William Seager) **60** (1993) 303–312
Pauker, S.G., see Szolovits, P. **59** (1993) 167–180
Pearl, J.
Belief networks revisited **59** (1993) 49– 56
Pearl, J., see Dechter, R. **58** (1992) 237–270
Pearl, J., see Geffner, H. **53** (1992) 209–244
Pearl, J., see Goldszmidt, M. **52** (1991) 121–149

Penberthy, J.S., see Addanki, S. **51** (1991) 145–177
Perlin, M.
Arc consistency for factorable relations (Research Note) **53** (1992) 329–342
Perlis, D., see Etherington, D.W. **52** (1991) 221–261
Philips, A.B., see Minton, S. **58** (1992) 161–205
Pirolli, P.
Book Review of *Mind Bugs*: *The Origins of Procedural Misconceptions* (Kurt VanLehn) **52** (1991) 329–340
Plaisted, D.A., see Nie, X. **55** (1992) 109–128
Pletat, U., see Beierle, C. **55** (1992) 149–191
Pollack, J.B.
On the wings of knowledge: a review of Allen Newell's *Unified Theories of Cognition* **59** (1993) 355–369
Pollack, M.E.
The uses of plans **57** (1992) 43– 68
Pollock, J.L.
How to reason defeasibly **57** (1992) 1– 42
Powley, C., C. Ferguson and R.E. Korf
Depth-first heuristic search on a SIMD machine **60** (1993) 199–242
Purves, D.
Brain or mind? A review of Allen Newell's *Unified Theories of Cognition* **59** (1993) 371–373
Rae, J.P., see Bray, A.J. **52** (1991) 319–328
Raiman, O.
Order of magnitude reasoning **51** (1991) 11– 38
Reinefeld, A., see Ladkin, P.B. **57** (1992) 105–124
Reiter, R., see De Kleer, J. **56** (1992) 197–222
Roos, N.
A logic for reasoning with inconsistent knowledge **57** (1992) 69–103
Rosenbloom, P.S. and J.E. Laird
On *Unified Theories of Cognition*: a response to the reviews **59** (1993) 389–413
Sacerdoti, E.D., see Stefik, M.J. **59** (1993) 221–224
Sacks, E.P., see Joskowicz, L. **51** (1991) 381–416
Saund, E.
Putting knowledge into a visual shape representation **54** (1992) 71–119
Schaeffer, J., J. Culberson, N. Treloar, B. Knight, P. Lu and D. Szafron
A world championship caliber checkers program (Research Note) **53** (1992) 273–289

Schank, R.C. and M.Y. Jona
Issues for psychology, AI, and education: a review of Newell's *Unified Theories of Cognition* **59** (1993) 375–388
Schmitt, P.H., see Beierle. C. **55** (1992) 149–191
Schor, M.I., see Lee, H.S. **54** (1992) 249–274
Schunck, B.G., see Horn, B.K.P. **59** (1993) 81– 87
Shekhar, S., see Latombe, J.-C. **52** (1991) 1– 47
Shoham, Y.
Agent-oriented programming **60** (1993) 51– 92
Shoham, Y., see Lin, F. **57** (1992) 271–289
Shortliffe, E.H., see Davis, R. **59** (1993) 181–189
Shortliffe, E.H., see Gordon, J. **59** (1993) 43– 47
Siekmann, J., see Beierle, C. **55** (1992) 149–191
Simari, G.R. and R.P. Loui
A mathematical treatment of defeasible reasoning and its implementation **53** (1992) 125–157
Simmons, R.G.
The roles of associational and causal reasoning in problem solving **53** (1992) 159–207
Simon, H.A.
Allen Newell: the entry into complex information processing **59** (1993) 251–259
Simon, H.A., see Iwasaki, Y. **59** (1993) 141–146
Simonis, H., see Van Hentenryck, P. **58** (1992) 113–159
Sloman, A.
The emperor's real mind: review of Roger Penrose's *The Emperor's New Mind: Concerning Computers, Minds and the Laws of Physics* **56** (1992) 355–396
Smoliar, S.W.
Book Review of *The Remembered Present: A Biological Theory of Consciousness* (Gerald M. Edelman) **52** (1991) 295–318
Smoliar, S.W., see Stefik, M.J. **59** (1993) 261–263
Spaccamela, A.M., see Donini, F.M. **53** (1992) 309–327
Stefik, M.J., J.S. Aikins, R. Balzer, J. Benoit, L. Birnbaum, F. Hayes-Roth and E.D. Sacerdoti
Retrospective on "The organization of expert systems, a tutorial" **59** (1993) 221–224
Stefik, M.J. and S.W. Smoliar
Eight reviews of *Unified Theories of Cognition* and a response (Editorial) **59** (1993) 261–263
Stein, L.A.

Resolving ambiguity in nonmonotonic inheritance hierarchies **55** (1992) 259–310
Swain, M.J., see Cooper, P.R. **58** (1992) 207–235
Szafron, D., see Schaeffer, J. **53** (1992) 273–289
Szolovits, P. and S.G. Pauker
Categorical and probabilistic reasoning in medicine revisited **59** (1993) 167–180
Tate, A., see Currie, K. **52** (1991) 49– 86
Tenenbaum, J.M., see Barrow, H.G. **59** (1993) 71– 80
Tenenberg, J., see Bacchus, F. **52** (1991) 87–108
Teng, C.-M., see Van Hentenryck, P. **57** (1992) 291–321
Thielscher, M.
On prediction in Theorist (Research Note) **60** (1993) 283–292
Thirunarayan, K. and M. Kifer
A theory of nonmonotonic inheritance based on annotated logic **60** (1993) 23– 50
Thompson, W.B., see Wick, M.R. **54** (1992) 33– 70
Throop, D.R., see Kuipers, B.J. **51** (1991) 343–379
Todd, P.M.
Book Review of *Emergent Computation: Self-Organizing, Collective, and Cooperative Phenomena in Natural and Artificial Computing Networks* (Stephanie Forrest, ed.) **60** (1993) 171–183
Treloar, N., see Schaeffer, J. **53** (1992) 273–289
Valtorta, M., see Hansson, O. **55** (1992) 129–143
Van Baalen, J.
Automated design of specialized representations **54** (1992) 121–198
Van Beek, P.
Reasoning about qualitative temporal information **58** (1992) 297–326
Van Hentenryck, P., Y. Deville and C.-M. Teng
A generic arc-consistency algorithm and its specializations **57** (1992) 291–321
Van Hentenryck, P., H. Simonis and M. Dincbas
Constraint satisfaction using constraint logic programming **58** (1992) 113–159
Vose, M.D., see Battle, D.L. **60** (1993) 155–165
Wallace, R.J., see Freuder, E.C. **58** (1992) 21– 70
Walsh, T., see Giunchiglia, F. **57** (1992) 323–389
Ward, N.
A parallel approach to syntax for generation **57** (1992) 183–225
Weld, D.S.
Reasoning about model accuracy **56** (1992) 255–300

Wellman, M.P.
Book Review of *The Ecology of Computation* (B.A. Huberman, ed.) **52** (1991) 205–218
Wick, M.R. and W.B. Thompson
Reconstructive expert system explanation **54** (1992) 33– 70
Williams, B.C.
A theory of interactions: unifying qualitative and quantitative algebraic reasoning **51** (1991) 39– 94
Williams, B.C. and J. de Kleer
Qualitative reasoning about physical systems: a return to roots **51** (1991) 1– 9
Yang, Q.
A theory of conflict resolution in planning **58** (1992) 361–392
Yang, Q., see Foulser, D.E. **57** (1992) 143–181
Yeap, W.K., see Lam, F.C. **53** (1992) 245–254
Yip, K.M.-K.
Understanding complex dynamics by visual and symbolic reasoning **51** (1991) 179–221
York, J.
Use of the Gibbs sampler in expert systems **56** (1992) 115–130
Addendum **56** (1992) 397–398
Zhang, C.
Cooperation under uncertainty in distributed expert systems **56** (1992) 21– 69
Zweben, M., E. Davis, B. Daun, E. Drascher, M. Deale and M. Eskey
Learning to improve constraint-based scheduling **58** (1992) 271–296